

USOV, A.G.

Experimental data on the effect of air rich in oxygen on higher nervous activity in the aged. Zhur.vys.nerv.deiat. 5 no.3:351-357 My-Je '55. (MLRA 8:10)

1. Laboratoriya patofiziologii vysshey nervnoy deyatel'nosti che-loveka Instituta eksperimental'noy meditsiny AMN SSSR.

(OXYGEN, effects,

on higher nervous funct. in aged)

(CENTRAL NERVOUS SYSTEM, physiology,

eff. of oxygen on higher nervous funct. in aged)

(AGE, physiology,

eff. of oxygen on higher nervous funct.)

USOV, A.G.

Studying inductive correlations of the signal systems in healthy aged subjects, and in senile psychoses. Zh. vys. nerv. deiat. 5 no.6: 807-815 N-D '55.  
(MLRA 9:3)

1. Laboratoriya patofiziologii vysshey nervnoy deyatel'nosti cheloveka fiziologicheskogo otdela imeni. I.P. Pavlova IIM AMN SSSR.

(CEREBRAL CORTIX, physiology,

signal systems, inductive correlations in normal cond., in aged & in senile psychoses)

(AGED, physiology,

cerebral cortical signal systems, inductive correlations)

(PSYCHOSES, SENILE, physiology,

cerebral cortical signal systems, inductive correlations)

USOV, A.O.

Variation of a compound method for studying nervous activity in  
normal subjects and in psychical conditions. Zh. vys. nerv. deiat.  
5 no.6:825-831 N-D '55. (MLRA 9:3)

1. Laboratoriya patofiziologii vysshey nervnoy deyatel'nosti  
cheloveka fiziologicheskogo otdela imeni. I.P. Pavlova IIM AMN SSSR.  
(CENTRAL NERVOUS SYSTEM, physiology,  
higher nervous funct. in normal & cond. & in ment.  
disord., technic of investigation)

USSR/Human and Animal Morphology (Normal and Pathological). S-1  
Digestive System. Oral Cavity

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88323

Author : Dionesov, S. M., Moiseyev, Ye. A. ; Usov, A. G.

Inst : AS USSR

Title : Microstructural Changes in the Salivary Glands  
Following Ligature and Resection of the Excre-  
tory Duct.

Orig Pub: V. sb. Materialy po evolyuts. fiziologii. T.I.M.  
-- L., AN SSSR, 1956, 117-126

Abstract: The right salivary gland was ligated and resected in  
38 rats aged 3-16 days and in 6 adult ones; the left  
gland served as a control. 223 days after the opera-  
tion, the terminal segments of the gland in the young  
rats were found to be shortened, dilated and lined

Card 1/3

USSR/Human and Animal Morphology (Normal and Pathological). S-1  
Digestive System. Oral Cavity

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88323

Abstract: with a cubical epithelium with large nuclei. Dark, compressed cells were distributed in the wall outside the layer of the cubical cells. The lumen of the terminal segments contained cells of desquamated epithelium and cellular debris. The inter-and intra-lobular connective tissue was rich in cellular elements during the early postoperative stages; later, fibrous elements predominated. In adult animals, the whole gland was overgrown with connective tissue following the ligature of the duct. Under similar conditions in young rabbits, the whole tissue of the gland consisted of follicles of various dimensions, the walls of which were lined with regular rows of cubical cells. The basal membrane was absent and the epithelial lining of the follicles merged with the strata of interlobular polygonal epithelial cells. In places, the follicles were constructed

Card 2/3

USSR/Human and Animal Morphology (Normal and Pathological). S-1  
Digestive System. Oral Cavity

Abs Jour: Ref Zhur - Biol., No 19, 1958, 88323

Abstract: of cells of various forms. The lumen of the follicles was vacuolized. It follows that, in rabbits, ligature and resection of the duct of salivary glands at an early age does not lead to atrophy of the gland, but causes a structural change with the preservation of some sort of definite function, possibly of in-cretory nature. — G. A. Savich

Card 3/3

USOV, A.G.

Country : USSR

Category: Pharmacology. Toxicology. Narcotics and Hypnotics

V

Abs Jour: RZhBiol., No 6, 1959, No 27621

Author : Dionesov, S.M.; Usov, A.G.

Inst : Academy of Sciences USSR.

Title : The Influence of Nociceptive Stimuli on the Somnifacient Effect of Chloralhydrate.

Orig Pub: V sb.: Materialy po evolyuts. fiziologii. T.I., M.-L., AN SSSR, 1956, 127-131

Abstract: The experiments were conducted on mice and guinea pigs. Chloralhydrate, after preliminary nociceptive stimulation, induces deep sleep (lateral position) in a greater number of cases than in control experiments. The effect increases with increase of force and

Card : 1/2

USOV, A.G.

Experimental data on the mechanism of delirium development in senile psychoses. Zhur.vys.nerv.deiat. 6 no.1:93-99 J<sub>a</sub>-F' 56. (MLRA 9:7)

1. Laboratoriya patofiziologii vysshey nervnoy deyatel'nosti cheloveka Fiziologicheskogo otdela imeni I.P.Pavlova IEM AMN SSSR.

(PSYCHOSES, SENILE, physiology.

delirium, mechanism of form. (Rus))

(DELIRIUM,

in senile psychoses, mechanism of form.(Rus))

USOV, A.G., kand.sel'skokhzyaystvennykh nauk; PODUFALYY, T.I., kand.  
sel'skokhzyaystvennykh nauk.

Obtaining high fruit yields every year. Nauka i pered.op.v  
sel'khoz. 7 no.9:40-42 S '57. (MIRA 10:10)

1. Krymskaya opytanaya stantsiya sadovodstva.  
(Fruit culture)

USOV, A.G.

Features of elaboration and simultaneous accomplishment of various motor reflexes in senile subjects. Zhur. vys. nerv. deiat. 10'no. 5:663-668 S-O '60. (MIRA 13:12)

1. Laboratoriya patofiziologii vysshey nervnoy deyatel'nosti cheloveka Fiziologicheskogo otdela im. I.P. Pavlova Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.  
(CONDITIONED RESPONSE) (AGING)

GAKKEL', L.B., prof.; PAVLOVA, Ye.N.; USOV, A.G., kand.med.nauk

Use of phenatine in hypertension with asthenic syndrome in aged subjects. Sov. med. 25 no.5:142-143 My '61. (MIRA 14:6)

1. Iz fiziologicheskogo otdela imeni I.P.Pavlova (zav. - deystvitel'nyy chlen AMN SSSR prof. P.S.Kupalov) Instituta eksperimental'noy meditsiny in doma invalidov imeni Karla Marksa (dir. M.A.Rayevskiy).  
(HYPERTENSION) (ASTHENIA) (NICOTINIC ACID)

DANILOV, I.V.; USOV, A.G. (Leningrad)

Functional correlations between the respiratory center and  
motor analyzer in some pathological states in man. Zhur.  
nevr. i psikh. 05 no.12:1818-1823 '65. (MIRA 19:1)

1. Submitted January 4, 1965.

KOCHETKOV, N.K.; KUDRYASHOV, L.I.; USOV, A.I.

Interaction between diisopropylidene glucose and halogen complexes  
of triphenyl phosphite. Dokl.AN SSSR 133 no.5:1094-1097 Ag  
'60. (MIRA 13:8)

1. Institut khimii prirodnnykh soedineniy Akademii nauk SSSR.  
Predstavleno akad. A.N. Nesmeyanovym.  
(Glucose) (Phenyl phosphite)

ROCHEV, N.N., glav. red.; VAVILOV, P.P., red.; VERTEL', E.I., red.; GORELIK, A.I., red.; GUZMAN, I.S., red.; KUZNETSOV, G.N., red.; MEDVEDEV, G.A., red.; MODYANOV, Ya.V., red.; PANTELEYEVA, A.A., red.; POLYAKOV, V.V., red.; POPOV, S.A., red.; POPOVA, S.M., red.; RAYEVSKIY, S.S., red.; RUDAKOV, S.V., red.; SYUTKIN, A.F., red.; USOV, A.I., red.; USTINOVA, I.K., red.; SHKIL', P.T., red.; CHEBYKIN, N.P., red.; MEZENTSEV, S.A., red.; MOROZOV, V.S., red.; OPLESNIN, I.I., tekhn. red.

[Forty years of the Komi A.S.S.R., 1921-1961; studies on the cultural and economic development of the Komi Republic] 40 let Komi ASSR, 1921-1961; ocherki o razvitii ekonomiki i kul'tury Komi Respubliki. Syktyvkar, (MIRA 14:11)  
Komi knizhnoe izd-vo, 1961. 154 p.  
(Komi A.S.S.R.—Economic conditions) (Komi A.S.S.R.—Culture)

KOCHETKOV, N.K.; KUDRYASHOV, L.I.; USOV, A.I.; DMITRIYEV, B.A.

Monosaccharides. Part 1: New synthesis of  $\alpha$ -quinovose and  
 $\alpha$ -fucose. Zhur.ob.khim. 31 no.10:3303-3308 O '61. (MIRA 14:10)

1. Institut khimii prirodnikh soedineniy AN SSSR.  
(Glucose) (Fucose)

KOCHETKOV, N.K.; USOV, A.I.

Monosaccharides. Report No.3: Reaction of the complex of  
triphenyl sulfite-methyl iodide with some carbohydrate derivatives.  
Izv.AN SSSR.Otd.khim.nauk no.6:1042-1050 '62. (MIRA 15:8)

1. Institut khimii prirodnikh soedineniy AN SSSR.  
(Monosaccharides)

KOCHETKOV, N.K.; DMITRIYEV, B.A.; USOV, A.I.

Chromatography of monosaccharide derivatives in a thin layer  
of aluminum oxide. Dokl. AN SSSR 143 no.4:863-866 Ap '62.  
(MIRA 15:3)

1. Institut khimii prirodnikh soedineniy AN SSSR.
2. Chlen-korrespondent AN SSSR (for Kochetkov).  
(Monosaccharides) (Chromatographic analysis)

KOCHETKOV, N.K.; USOV, A.I.

Monosaccharides. Report No.5: Behavior of some monosaccharide derivatives in the reaction with triphenyl phosphite iodomethylate. Izv. AN SSSR. Ser.khim. no.7:1243-1253 JI '63. (MIRA 16:9)

1. Institut khimii prirodnykh soedineniy AN SSSR.  
(Monosaccharides) (Phosphorus organic compounds)  
(Iodine compounds)

KOCHETKOV, N.K.; USOV, A.I.

Monosaccharides. Report No.6: New path toward the formation of  
deoxy sugars. Izv. AN SSSR. Ser.khim. no.3:475-482 Mr '64.  
(MIRA 17:4)

1. Institut khimii prirodnikh sovedineniy AN SSSR.

USOV, A.I., kand.khim.nauk

"Chemical transformation of the carbon frame of hydrocarbons"  
by IU.A.Zhdanov, G.N.Dorofeenko. Reviewed by A.I.Ussov. Vest.  
AN SSSR 34 no.3:150-152 Mr '64. (MIRA 17:4)

KOCHETKOV, N.K.; USOV, A.I.

Monosaccharides. Report No.9: Synthesis of D-chalcose. Izv. AN  
SSSR. Ser. khim. no.3:492-496 '65. (MIRA 18:5)

1. Institut khimii prirodnikh soyedineniy AN SSSR.

KUZNETSOV, G.F., doktor tekhn. nauk, prof.; SIVAK, N.Ya., kand. tekhn. nauk. Prinsipali uchastiye: BAULIN, D.K., inzh.; KREYTAN, V.G., inzh.; BUADZE, V.Sh., inzh.; KONTRIDZE, M.D., inzh.; USOV, A.L., inzh.; BAD-ZHAGYAN, V.S.; KLIMOVA, G.D., red. izd-va; ABRAKOVA, V.M., tekhn. red.

[Instructions for designing and manufacturing large lightweight slabs to go between stories of apartment houses and public buildings] Ukazaniia po proektirovaniu i izgotovleniiu oblegchennykh krupnopenel'nykh mezhduetazhnykh perekrytii zhilykh i obshchestvennykh zdanii. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 109 p. (MIRA 14:12)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut stroitel'noy i ograždayushchikh konstruktsiy. 2. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Kuznetsov).  
(Precast concrete construction)

NIKOL'SKIY, V.N., kand. tekhn. nauk; SPIVAK, N.Ya., kand. tekhn. nauk; BAULIN, D.K., inzh.; BUADZE, V.Sh., inzh.; KREYTAN, V.G., kand. tekhn. nauk; PERMYAKOV, S.I., kand. tekhn. nauk; USOV, A.L., inzh.; KOSHKIN, V.G., kand. tekhn. nauk; MARAVIN, B.L., inzh.; ERENBURG, A.I., inzh.; KOCHESHKOV, V.G., inzh.; RUBANENKO, B.R., glav. red.; ROZANOV, N.P., zam. glav. red.; ONUFRIYEV, I.A., red.; YUDIN, Ye.Ya., red.; NASONOV, V.N., red.; ISIDOROV, V.V., red.; MAKARICHEV, V.V., red.; FINKINSHTEYN, B.A., inzh. red.;

[Prefabricated floor and ceiling structures] Poly i pere-krytiia industrial'noi konstruktsii. Moskva, Gosstroizdat, 1963. 71 p. (MIRA 16:12).

1. Akademiya stroitel'stva i arkhitektury SSSR. TSentral'nyy nauchno-issledovatel'skiy i eksperimental'no-proyektnyy institut industrial'nykh zhilykh i massovykh kul'turno-bogatykh zdaniy. 2. Nauchno-issledovatel'skiy institut stroitel'noy fiziki i ograizhdayushchikh konstruktsii (for Nikol'skiy, Usov). 3. TSentral'nyy nauchno-issledovatel'skiy i eksperimental'no-proyektnyy institut industrial'nykh zhilykh i massovykh kul'turno-bogatykh zdaniy (for Buadze, Baulin, Spivak, Kreytan, Kocheshkov). 4. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov Akademii stroitel'stva i arkhitektury SSSR (for Erenburg).

(Floors) (Ceilings)

USOV, A.L.

Contact heat transfer on a floor surface. Inzh.-fiz. zbur.  
6 no.11:119-122 N '63. (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut stroitel'noy fiziki,  
Moskva.

USOV, A.L.

Investigating the contact heat transfer on the floor surface.  
Inzh.-fiz. zhur. 8 no.2:273-274 F '65. (MIRA 18:5)

1. Institut stroitel'noy fiziki, Moskva.

4032 USOV, A. M.

Rol' sotsialisticheskogo sorevnovaniya v razvitii i sovershen stvovanii  
sotsialisticheskogo proizvodstva. (Na primerakh prom-sti v poslevoen.  
period) M., 1954. 16s. 21sm. (Akad. obshchestv. nauk pri TsK KPSS.)  
220 ekz. B. ts. (54-56650)

USOV, A. M.

Usov, A. M.

"The system of rolling and the fatigue resistance of a metal axis at the point where the roller bearing is inserted (investigation on samples 55 millimeters in diameter)." Min Railways USSR. All-Union Sci Res Inst of Railroad Transport. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'  
No. 25, 1956. Moscow

POPOV, Georgiy Georgiyevich, kand.tekhn.nauk; USOV, Anatoliy Mikhaylovich, kand.  
tekhn.nauk; POPOV, A.V., inzh., red.; VERINA, G.P., tekhn. red.

[Investigating the fatigue strength of steel] Issledovanie  
ustalostnoi prochnosti stali. Moskva, Gos.transp.zhel dor. izd-vo.  
1958. 130 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii  
institut zheleznodorozhnogo transporta. Trudy, no. 159)  
(MIRA 12:1)

(Steel--Testing)

BELYSHEV, P.V.; USOV, G.V.; SOLOV'YEV, M.K. [deceased]; LEBEDEV, N.D.;  
LEVIN, V.F.; PEVZNER, M.L.; USOV, A.M.; ZOLKIN, I.D.; KONONOV,  
N.A.; IVANOV, P.P., red.; PANKRATOV, A.I., tekhn. red.


[Economics of a textile enterprise; for the aid of studying applied  
economics] Ekonomika tekstil'nogo predpriiatiia; v pomoshch' izu-  
chaiushchim konkretnuiu ekonomiku. Ivanovo, Ivanovskoe knizhnoe izd-  
vo, 1960. 359 p. (MIRA 14:7)

(Textile industry)

AUTHORS: 1) Gorskiy, D. S., Avgul', V. T., S/032/60/036/03/060/064  
Toporov, Yu. P.; 2) Usov, A. M., B010/B117  
Yeliseyev, V. V.; 3) Silkin, Ye. A., Zasova, A. P.

TITLE: News in Brief

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol 36, Nr 3, pp 381-382 (USSR)

TEXT: ad 1) It has been suggested by the authors to carry out the electric reversion of motors of the types SD-2<sup>2</sup> and SD-60<sup>2</sup> by changing the direction of the magnetic induction current generated by the stator of the electric motor. It is shown by means of a circuit diagram (Fig) how this has to be done.   
ad 2) The design of the mounting support for tensile-strength testing machines of the types IM-12<sup>2</sup> and TsDM-100KhPu<sup>2</sup> has been improved by the authors. The modifications realized are represented schematically (Fig) and described.  
ad 3) A simple device (Fig) intended to be used for measuring the bending stress during impact bending tests has been developed by the authors. The device works with a cathode-ray oscillograph, and permits to attain an accuracy of measurement ranging from 0.005 to 0.01 mm. There are 3 figures.

Card 1/2

News in Brief

S/032/60/036/03/060/064  
B010/B117

ASSOCIATION: ad 1) Institut organicheskoy khimii i Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Organic Chemistry and Institute of Physical Chemistry of the Academy of Sciences, USSR); ad 2) Tsentral'nyy nauchno-issledovatel'skiy institut Ministerstva putey soobshcheniya (Central Scientific Research Institute of the Ministry of Communications); ad 3) Institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (Institute of Mechanization and Electrification of Agriculture)

Card 2/2

S/122/61/000/005/010/013  
D221/D304

AUTHOR: Usov, A.M., Candidate of Technical Sciences  
TITLE: Devices for work hardening burnishing of components  
PERIODICAL: Vestnik mashinostroyeniya, no. 5, 1961, 64 - 66

TEXT: Burnishing with plain hardened rollers or balls to obtain an increase of fatigue resistance as well as a high finish is becoming widely applied. The author worked out designs for these devices at UHNM MNC (TsNII MPS). The described units are used when large loads should be applied for achieving the required depth of work hardened layer. In all three discussed devices two rollers are employed, placed opposite each other. This unloads the spindle of machine and limits the force applied to the resistance of workpiece (nominal load of 2500 kg is adequate for shafts up to 300 mm diameter). One of the rollers is crowned in order to achieve a maximum effect of burnishing. Author's certificate, no. 128325, dated 12-5-1960, describes the use of a ball instead of profiled roller which secures the same effectiveness of work hardening with a lower

Card 1/3

S/122/61/000/005/010/013  
D221/D304

Devices for work hardening ...

Force. Loading in the first device is obtained by compressing air, in the second - by oil pressure and in the third by a spring. This allows a choice to be made in accordance with facilities to manufacture the unit. The required load is preset and does not need further interference from operator, and dispense with mass checking of burnished components. These fixtures can be used on any lathe with a height of centers above the slides of 150 mm and more for a wide range of component diameters, including conical, and with steps that are joined by fillets. Their advantage is based on the fact that it is not necessary to remove them when working with cutting tools, or when placing workpieces in the machine. The left part of these devices is similar in all three designs. The base is made to suit the machine, and holds a cast iron slideway, on which the head with loading mechanism moves. The welded C-shaped link is light and stiff, and on one of its ends the burnishing roller is mounted. The figures indicate the position of link, where it is possible to swivel it back into non-working set-up; moving the slide towards the centers brings it into operating position. The piston rod carries the second burnishing roller. Pressure in the pis-

Card 2/3

Devices for work hardening ...

S/122/61/000/005/010/013  
D221/D304

ton causes a right hand motion of first roller with the linkage and at the same time a left hand travel of second roller. The device is, therefore, self-adjusting in respect of the burnished component, and the spindle of the machine is not loaded by pressure of rollers. The pneumatic loading mechanism is a conventional single action arrangement with a return spring, and a reducer valve for adjusting the supply pressure. The hydraulic unit is fed by a vane pump, type P-12-1 (G-12-1) through a corresponding valve, type P-52-1 (G-52-1), otherwise the mechanism is similar to the previous one. The spring mechanism differs from the known units by the pre-load of the spring being additionally finally set to the value required by the burnishing operation. There are three figures.

Card 3/3

SHTEFAN NEDESHAN [Ștefan Nădășan], prof.; KHOROVITS, Bernard [Horoviț, Bernard] dotsent; USOV, A.M.; IVANOVA, V.S.

Rapid method for determining the fatigue limit from critical fatigue stresses. Zav.lab. 27 no.11:1430-1435 '61. (MIRA 14:10)

1. Filial AN Rumynskoy Narodnoy Respubliki, Timishoara (for Ștefan Nădășan, Horoviț, Bernard). 2. Tsentral'nyy nauchno-issledovatel'skiy institut Ministerstva putey soobshcheniya (for Usov). 3. Institut metallurgii imeni A.A.Baykova AN SSSR (for Ivanova).  
(Metals--Fatigue)

USOV, A.M.; LARIN, T.V.

Method of detecting the effect of local defects in steel on  
its mechanical properties. Zav. lab. 30 no.68743-744 '64  
(MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta.

USOV, A. P.

Make precise determinations of the design and dimensions of valves. Stroil. truboprov. 8 no.4:26 Ap '63. (MIRA 16:4)

1. Test Casteploset'stroymontash, Gor'kiy.

(Gas distribution) (Valves)

USCV, A.S., inzh.

Using polyethylene films in the construction of canals in the  
Golodnaya Steppe. Gidr. i mel. 16 no.6:52-55 Je '64. (MIRA 17:9)

1. Institut "Sredazgiprovodkhlopok".

USOV, A.T.

Calculating the heating of an asymmetrical plate under  
arbitrarily varying boundary conditions. Inzh. fiz. zhur.  
7 no.6:97-101 '64. (MIRA 17,12)

USOV, A.V.

Mechanizing the cleaning of snow from roofs and layers of ice  
from sidewalks. Gor. khoz. Mosk. 35 no.11:48-3 of cover N  
'61. (MIRA 16:7)

1. Nachal'nik shilishchnogo upravleniya Frunzenskogo rayona Moskvyy.  
(Snow removal)

20374

18.8100

1138, 1418, 1454

S/058/61/000/003/017/027  
A001/A001

Translation from: Referativnyy zhurnal, Fizika, 1961, No. 3, p. 338, # 3E458

AUTHOR: Usov, A. Ya.

TITLE: The Effect of Plastic Deformation Temperature on Thermal Electromotive Force and Mechanical Properties of Metals

PERIODICAL: "Uch. zap. Chelyab. gos. ped. in-t", 1958, Vol. 5, No. 1, pp. 23-40

TEXT: The author studied the effect of plastic deformation temperature on stresses and induced thermal emf, the latter was measured at room temperature and yielded a residual effect. It was confirmed that induced thermal emf  $E$  and stresses  $\sigma$  decrease exponentially with increasing deformation temperature  $T$  as follows:  $E = E_0 \cdot \delta \cdot e^{-\alpha T}$  and  $\sigma = \sigma_0 \cdot e^{-\alpha T}$ , where  $E_0$  and  $\alpha$  are constants, and  $\delta_0$  and  $k$  (?) are increasing functions of deformation degree  $\delta$ . It was found out that modulus of plastic resilience decreases also exponentially with increasing  $T$ . Relative changes of resilience modulus and stresses per degree at the given deformation are the same. Induced thermal emf is less stable with respect to temperature than stresses and modulus of resilience.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

21638

S/137/61/000/003/055/069  
A006/A101

18.8100

1138, 1160, 1418, 1413

AUTHOR: Usov, A. Ya.

TITLE: The effect of plastic deformation temperature on the thermo emf and mechanical properties of metals

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 3, 1961, 29, abstract 3Zh185 ("Uch. zap. Chelyab. gos. ped. in-t", v. 5, no 1, 1958, 23-40)

TEXT: The effect of the plastic deformation temperature on thermo emf and mechanical properties of Cu was investigated within the - 183 to + 300°C temperature range on 1.32 mm diameter wire. The 430 mm long wire specimens were V-shaped and annealed at 400°C. Thin Cu-conductors were soldered to the ends of the branches formed to measure the initial thermo emf and that induced after plastic deformation. Deformation was performed by tension or twisting of one branch of the specimen on a special machine with equal relative rate ( $6 \cdot 10^{-4} \text{ sec}^{-1}$  - tension, and 0.023 rpsec. mm - twisting) at different temperatures. Deformation at the given temperature was carried out by steps, removing the specimen from the machine for measurement of thermo emf after each step of deformation. Data of measurements confirm that thermo emf induced, E, and true stress  $\sigma$  decrease.

Card 1/2

21638

S/137/61/006/003/055/069

A006/A101

The effect of plastic deformation temperature ...

exponentially during plastic deformation with raising deformation temperature,  $T$ . Regularities obtained on changes in  $E$  and  $\sigma$  can be described by formulae  $E = E_0 \cdot \delta \cdot \exp(-\alpha T)$  and  $\sigma = \sigma_0 \times \exp(-kT)$  where  $E_0$  and  $\alpha$  are constant,  $\sigma_0$  and  $k$  are increasing functions of deformation degree  $\delta$ . It was established that the modulus of plastic resilience also exponentially decreases with higher deformation temperatures. The relative changes of the modulus and stresses per degree at the given deformation are equal. It is stressed that the thermo emf induced is less stable to temperature as compared to stresses and modulus of resilience. The author discusses the results obtained and compares them with data from other investigations. There are 15 references.

L. G.

[Abstractor's note: Complete translation.]

Card 2/2

CA

12

Improving the process of milk defatting in separators  
N. Panasenkov and B. Ussov (S. M. Kirov Agr. Inst.,  
Omsk). *Molochkaya Prom.* 12, No. 11, 29-31(1951).  
Introduction of a closed plate in the separator considerably  
improves the performance of the machine. In an 8-plate  
machine the best location is the 3rd plate. Bending of the  
outer edges of the lower plates by 45° also increases the  
efficiency. G. M. Koudapoff

S/145/62/000/009/002/005  
D262/D308

AUTHOR: Usov, B.A., Engineer

TITLE: Reliability of automatic operators for the automation of working equipment

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye, no. 9, 1962, 121-130

TEXT: The article deals with the problem of automation of loading and discharging operations of components worked in metal cutting machines and analyzes the operational reliability of the automatic operators used on a typical multiple spindle semi-automatic lathe. Three different types of auto-operators (1 - universal type designed by Knyaz'kov, 2 - simplified version of 1, and 3 - electromagnetic) are tested and their advantages and deficiencies analyzed. The reliability coefficient of auto-operators and the method of calculation for given working conditions are also presented, and a typical example is worked out. Conclusions: The auto-operators of simplified designs are, in general, more reliable than complex ones. If

Card 1/2

Reliability of automatic ...

S/145/62/000/009/002/005  
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the reliability coefficient is less or equal to its critical value, automation will be unprofitable. When designing a new auto-operator its required reliability should be calculated and compared with the operational reliabilities of similar types of operators, and, if necessary, another constructional variation to be employed, aiming at simplicity of construction. There are 4 figures and 1 table.

ASSOCIATION: MVTU im. N.E. Bauman (MVTU im. N.E. Bauman)

SUBMITTED: August 20, 1962

Card 2/2

VOLCHKEVICH, L.I.; USOV, B.A.; LEBEDEV, A.S., inzh., retsenzent;  
YARKOV, A.M., inzh., retsenzent; MALOV, A.N., prof.,  
red.

[Automatic feed mechanisms] Avtooperatory. Moskva, Ma-  
shinostroenie, 1965. 142 p. (MIRA 18:12)

USOV, D.

How we prepare stopes for coal extraction. Mast. ugl. 4 no.3:14  
Mr '55. (MLRA 8:6)

1. Nachal'nik shchitovogo uchastka shakhty imeni Voroshilova  
tresta Prokop'yevskugol'.  
(Kuznetsk Basin--Coal mines and mining)

USOV, D. A.

176T56

USSR/Hydrology - Water Tanks

Feb 51

"Light-Duty Water Throwing Equipment for Kolkhoz Ponds and Water Tanks," D. A. Usov, Karagandin Obvodkhoz

"Gidrotekh i Meliorat" Vol III, No 2, pp 60-62

Elastic water thrower by Denisov (cf. P. I. Denisov, "Gidrotekh i Meliorat" No 3, 1951) is not recommended for wide use, because it uses scarce tarpaulin. Usov suggests local materials, mostly network of twigs.

FDD

176T56

USOV, D.V., mayor med. slushby

Late results of suturing perforated ulcers of the stomach  
and duodenum. Voenn.-med. zhurn. no. 2:32-34 F '60.

(MIRA 13:5)

(PEPTIC ULCER PERFORATION surgery)

TOKOVOY, V. A.; USOV, D. V. (Leningrad)

Level of vitamin B<sub>6</sub> in the urine in organic diseases of the  
stomach. Klin. med. no.6:93-95 '61. (MIRA 14:12)

(PYRIDOXINE) (STOMACH--DISEASES)  
(URINE--ANALYSIS AND PATHOLOGY)

MAKEYEV, V.D., kand.med.nauk; KOPOSOV, N.A.; USOV, D.V.

Surgical scrub. Vest.khir. no.6:119-120 '61.

(MIRA 15:1)

1. Iz voyennogo gosptalya i kafedry voyenno-morskoy khirurgii  
(nach. - prof. A.A. Bocharov) Voenno-meditsinskoy ordena  
Lenina akademii im. S.M. Kirova.

(SURGERY, ASEPTIC AND ANTISEPTIC)

USOV, D.V.

Neoplasms of the fibrous capsule of the kidneys. Med. zhur. Uzb.  
no.10:63-64 '61. (MIRA 14:10)

(KIDNEYS—TUMORS)

USOV, D.V. (Lebyazh'ye, Leningradskoy oblasti)

Interstitial calcinosis. Vrach. delo no.10:150 0 '61. (MIRA 14:12)  
(CALCIUM METABOLISM)

USOV, D. V., mayor meditsinskoy sluzhby

Perforated ulcers of the stomach and duodenum in young subjects.  
Voen.-med. zhur. no.12:44-46 D '61. (MIRA 15:7)

(PEPTIC ULCER)

USOV, D. V.

Surgical treatment of a perforating ulcer of the stomach and  
duodenum in young persons. Vest. khir. no.2:35-39 '62. (MIRA 15:2)

(PEPTIC ULCER)

USOV, D. V.

Case of septicemia treated with antibiotics and calcium chloride.  
Klin. med. no. 2:137-140 '62. (MIRA 15:4)

(SEPTICEMIA) (ANTIBIOTIC) (LIME, CHLORIDE OF)

RAKITIN, Ya.A., podpolkovnik meditsinskoy sluzhby; USOV, D.V., mayor  
meditsinskoy sluzhby

Result of surgical treatment in stenocardia. Voenn.-med. zhur.  
no.8:73-74'62. (MIRA 16:9)  
(HEART—SURGERY)

USOV, D.V.

Ways for improving the late results in the treatment of perforating ulcers of the stomach and duodenum. Sov.med. 26 no.8:119-123 Ag '62.

1. Iz kafedry gosspital'noy khirurgii (zav. - prof. A.V.Ovchinnikov)  
Altayskogo meditsinskogo instituta (rektor - dotsent F.M.  
Kolomiytsev).

(PEPTIC ULCER)

USOV, D.V. (Barnaul)

"Resection and transperitoneal extirpation of the stomach" by  
A.A.Rusanov. Reviewed by D.V.Usov. Vest.khir. 89 no.9:136-137  
S '62. (MIRA 15:12)

(STOMACH—SURGERY) (RUSANOV, A.A.)

USOV, D.V.

Nonperforating biliary peritonitis in a young man. Zhirav. Bel.  
9 no.7: 86-87 JI'63 (MIRA 17:4)

USOV, D.V., kand. med. nauk; YELISEYEV, Yu.I. (Barnaul)

Review of M.I. Glikin's book "Cancer of the lung." Vest.  
khir. 91 no.9:131-133 S'63. (MIRA 17:4)

USOV, D.V., kand.med.nauk (Barnaul, Sovetskaya ul., 27, kv.2)

Treatment of the effects of combined chemical burns of the esophagus and stomach. Vest. khir. 92 no.3:42-44 Mr '64.

1. Iz gospi'tal'noy khirurgicheskoy kliniki (zav. - prof. A.V. (MIRA 17:12)  
Ovchinnikov) Altayskogo meditsinskogo instituta.

USOV, D.V., kand. med. nauk

Unilocular echinococcosis of the rectum. Vest. khir. 93 no.8:101  
Ag '64. (MIRA 18:7)

1. Is gosptal'noy khirurgicheskoy kliniki (sav. - prof. A.V.  
Ovchinnikov) Altayskogo meditsinskogo instituta.

SANDRIGAYLO, N F.; VASIL'YEV, M.V., prof., doktor tekhn.nauk;  
GRAUR, I.F.; USOV, F.M.; RYABOV, A.I.; ZHANTEMIROV, S.D.;  
VOROSHILIN, G.I.; MAKAROVA, N.U., red.

[Accelerated development of strip mines and expansion of  
iron ore mining; as practiced at the Sokolovka-Sarbay  
Mining and Ore Dressing Combine] Forsirovannaya podgotovka  
kar'erov i razvitie dobychi z'eleznykh rud; na primere  
Sokolovsko-Sarbaiskogo gornobogatitel'nogo kombinata.  
Sverdlovsk, Sredne-Ural'skoe gos. knizhnoe izd-vo, 1964.  
115 p.  
(MIRA 18:6)

USOV, F.M., MUSTAFINA, A.M.

Improving the technology and organization of excavator loading. Vest.  
AN Kazakh SSR 16 no.7:100 J1 '60. (MIRA 13:8)

1. Nachal'nik Sarbayskogo rudnika (for Usov).  
(Kazakhstan—Strip mining)

MUSTAFINA, A.M.; KUSEMBAYEV, Kh.N.; USOV, F.M.; SADYKOV, G.Kh.

Selection of the optimum parameters for the dump in using  
ESh-6/60 walker draglines in the Sarbay Mine. Trudy Inst.  
gor. dela AN Kazakh. SSSR 10:105-109. '63. (MIRA 16:8)

(Kustanay Province--Excavating machinery)

PLYASKIN, I.I., kand. tekhn. nauk; USOV, F. M., inzh.

Experience in the construction of deep pits under complex hydrogeological conditions. Izv. vys. ucheb. zav.; gor. zhur. 6 no. 9: 34-39 '63. (MIRA 17:1)

1. Filial Kazakhskogo politekhnicheskogo instituta (for Plyaskin).
2. Sokolovsko-Sarbayaskiy gornoobogatitel'nyy kombinat (for Usov).
3. Rekomendovana kafedroy gornogo dela Kazakhskogo politekhnicheskogo instituta.

USOV, G.; MAMEKIN, Ye.

Specialization and industrialization are the main problems of  
sanitary engineering. Na stroi.Ros. 6 no.2:13-14 F '65.  
(MIRA 19:1)

1. Upravlyayushchiy trestom TSentrosantekhmontazh No.1 (for  
Usov). 2. Glavnyy inzh. tresta TSentrosantekhmontazh No.1  
(for Mamekin).

USOV, G.

Everyday activities of rural activists. Okhr. truda i sots.  
strakh. 4 no.6:10-11 Je '61. (MIRA 14:7)

1. Sovkhoz "Komsomolets", Kuybyshevskaya oblast. Spetsial'nyy  
korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye".  
(Kuybyshev Province)  
(Agriculture—Safety measures)

LYUBIMOVA, V.V., doktor ekon. nauk; NOVIKOVA, O.G., kand. ekon. nauk;  
SERGEYEVA, A.G., kand. ekon. nauk; IVANOV, N.P., kand. istor.  
nauk; OBORINA, G.A., kand. ekon. nauk; KHLYNOV, V.N., kand.  
ekon. nauk; DANILEVICH, M.V., doktor ekon. nauk; POKATAYEVA,  
T.S., kand. ekon. nauk; USOV, G.A., kand. ist. nauk;  
SAL'KOVSKIY, O.V., kand. geogr. nauk. Prinimali uchastiye:  
PESCHANSKIY, V.V., kand. ist. nauk; PIROGOVA, I.M.; PRONIN,  
S.V.; USVIATSOV, A.Ye.; MAKAROV, V., red.; DARONYAN, M.,  
mladshiy red.; ULANOVA, L., tekhn. red.

[Real wages during the period of the general crisis of capi-  
talism]Real'naya zarabotnaya plata v period obshchego krizisa  
kapitalizma. Moskva, Sotsekgiz, 1962. 558 p. (MIRA 16:3)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.

(Wages)

CHUNTYZHEV, Kh.O.; PRONIN, S.V.; LISOVSKIY, Yu.P.; MARTYNOV, V.D.;  
MARKARYAN, S.B.; FARIZOV, I.O.; ALEKSANDROVSKAYA, L.I.;  
USOV, G.A.; TIMUR, M.; YURLOV, P.F.; APANAS'YEV, L.A.,  
~~otv. red.~~; GARSIA, L., red.; DARONYAN, M., mladshiy red.;  
NOGINA, N., tekhn. red.

[Agricultural cooperation under the conditions of capitalism]  
Sel'skokhoziaistvennaya kooperatsiya v usloviakh kapitaliz-  
ma. Moskva, Sotsekgiz, 1963. 350 p. (MIRA 16:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.  
(Agriculture, Cooperative) (Capitalism)

USOV, G.I.

A bronze substitute for piston pump water ends. Rech. transp. 14  
no. 11:27 N '55. (MLRA 9:2)  
(Pumping machinery)

BELYSHNEV, P.V.; USOV, G.V.; SOLOV'YEV, M.K. [deceased]; LEBEDEV, N.D.;  
LEVIN, V.F.; PEVNER, M.L.; USOV, A.M.; ZOLKIN, I.D.; KODONOV,  
N.A.; IVANOV, P.P., red.; PANKRATOV, A.I., tekhn. red.

[Economics of a textile enterprise; for the aid of studying applied  
economics] Ekonomika tekstil'nogo predpriiatiia; v pomoshch' isu-  
chaishehim konkretnuiu ekonomiku. Ivanovo, Ivanovskoe knizhnoe izd-  
vo, 1960. 359 p. (MIRA 14:7)

(Textile industry)

USOV, I., inzhener. (g.Leningrad); GITLIN, N., inzhener, (g.Leningrad).

The K-14 carburetor. Za rul. no.6:16-17 Je '57. (MIRA 10:7)

1. TSentral'noye konstruktorskoye byuro toplivnoy apparatury.  
(Automobiles--Engines--Carburetors)

S/262/62/000/008/021/022  
I007/I207

AUTHORS: Kanukov, A. and Usov, I.

TITLE: New carburettor designs for automobile engines

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 8, 68, 1962, abstract 42.8.402. Za rulem, no. 4, 1961, 22-24

TEXT: The improvement of quality and reliability of carburetors, the large scale use of mechanization and automation of carburettor production, as well as reduction of carburettor prices, require the design of standardized carburettor types. As shown by preliminary calculations, due to adoption of standardized carburetors the number of many components is liable to decrease to a third, and their weight, by 23-30%. Tests of standardized carburettor types at the Gor'kiy, Ulyanov and other plants, have shown that the new design ensures a stable fuel consumption under varying working conditions. Description is given of technical maintenance, adjustment of basic components, and design of the following new carburettor series: the one-chamber K-105 type for the "Volga" car and the K114 type for the "Chayka" car. Series production of these carburetors started in 1960.

[Abstracter's note: Complete translation.]

Card 1/1

USOV, I.; PONOMAREV, O.

~~Information Kras.~~  
K-25A carburetor. Avt.transp. 32 no.1:28-30 Ja '54. (MLRA 7:8)

1. Leningradskiy karbyuratornyy zavod imeni V.V.Kuybysheva.  
(Automobiles--Engines--Carburetors)

USOV. I. (g. Kungur)

Machine treating of stone, Prem. keep. no. 8:14-15 Ag '56.  
(MIRA 9:10)

1. Predsedatel' Meletovskoy kamneroznoy arteli.  
(Kungur--Stonemasonry)

CA

Reaction of aliphatic thio ethers with dialkyl sulfates.  
I. A. Usov, M. Z. Finkel'shtein, and V. N. Belov (Mendeleev Chem. Tech. Inst., Moscow). *J. Gen. Chem. (U.S.S.R.)* 17, 2283-5 (1947) (in Russian).—Contrary to Auwers and Arndt (*C.A.* 3, 2577).  $\text{Et}_2\text{S}$  readily reacts with  $\text{Me}_2\text{SO}_4$  giving a sulfonium compd. at room temp. as well as on heating;  $\text{Bu}_2\text{S}$  reacts just as easily.  $\text{Et}_2\text{S}$ , b.  $91-3^\circ$ , and an equimol. amt. of  $\text{Me}_2\text{SO}_4$  heated 1 hr. on a steam bath gave a viscous light-brown liquid, sol. in  $\text{H}_2\text{O}$ , insol. in  $\text{Et}_2\text{O}$ ,  $\text{C}_6\text{H}_6$ , and petr. ether. A similar mixt. on standing at room temp. 6-7 days in benzene gives 2 layers: an upper layer of  $\text{C}_6\text{H}_6$  and a bottom layer of the above product. The aq. soln. with alc. picric acid gave the picrate,  $(\text{Et}_2\text{SMe})\text{OC}_6\text{H}_3(\text{NO}_2)_3$ , m.  $170-1^\circ$  (from  $\text{EtOH}$  or  $\text{H}_2\text{O}$ ). Similar heating of  $\text{Et}_2\text{S}$  with an equimol. amt. of  $\text{Et}_2\text{SO}_4$  gave the viscous brown liquid sulfonium compd. which forms a picrate,  $(\text{Et}_2\text{SO})\text{OC}_6\text{H}_3(\text{NO}_2)_3$ , m.  $184.5-5.5^\circ$  (from  $\text{EtOH}$ ); in this case heating is continued 8 hrs. Heating an equimol. mixt. of  $\text{Bu}_2\text{S}$  and  $\text{Me}_2\text{SO}_4$  on a steam

bath 1 hr. (or 6-7 days' standing at room temp.) gives almost 100% of the corresponding sulfonium compd. which forms a picrate, m.  $88-90^\circ$  (from  $\text{EtOH}$ ).  $\text{Bu}_2\text{S}$  and  $\text{Et}_2\text{SO}_4$  8 hrs. on a steam bath give a similar sulfonium compd. (picrate, m.  $37-9^\circ$  (from  $\text{EtOH}$ )); in this case standing at room temp. is not effective even in 2 months. G. M. K.

USOV, I.A.,  
MACHINSKAYA, I.V., ZhOKh 17, 2292-6 (1947)

(DECEASED)

EPSHTEYN, G. Yu. [deceased]; USOV, I.A. [deceased]; IVIN, S.Z.

Haloalkyl sulfides. Part 5: Reaction of alkylene sulfides with  
alkyl sulfene chlorides and alkyl polythiochlorides. Zhur.ob.  
khim. 34 no.7:2347-2349 J1 '64 (MIRA 17:8)

Haloalkyl sulfides. Part 6: Addition of alkyl sulfonyl  
chlorides and alkyl polythiochlorides to olefins. Ibid.:  
2350-2354

USOV, I.I. (Stavropol')

Two anomalies of the location of the appendix discovered during  
appendectomy. Khirurgiia 32 no.2:78-79 F '56. (MLBA 9:7)  
(APPENDIX)

USOV, I.I. (Pavlodar)

Early diagnosis of acute appendicitis. Fel'd. i skush. 23 no.3:38-39  
Mr '58. (MIRA 11:4)

(APPENDICITIS)

USOV, I.I. (Pavlodar)

Convenient method for securing sheets around the operating field.  
Pel'd. i akush. 23 no.8:56 Ag '58 (MIRA 11:8)  
(SURGARY, OPERATIVE)

USOV, I.I. (pavlodar, Kazankhskoy SSR, ul. 1. Maya, d. 207, kv. 27)

Problem of anesthesia in appendectomy. Nov. khir. arkh. no.2:72-75  
Mr-Apr '59. (MIRA 12:7)

1. Nauchnyy rykovoditel' raboty - doktor med. nauk prof. A.M.  
Aminev, zav. kafedroy gosital'noy khirurgii Kuybyshevskogo  
meditsinskogo instituta.  
(APPENDECTOMY) (ANESTHESIA)

USOV, I.I.; VETSHTYIN, E.K.

Case of combined perforated ulcer of the duodenum and acute  
appendicitis. Khirurgia 35 no.3:111-112 Mr '59.

(MIRA 12:8)

1. Iz khirurgicheskogo otdeleniya (nach. I.I.Utesov) Tsentral'-  
noy bol'nitsy (nach. I.A.Avrov) Pavlodara Kazakhskoy SSR.  
Nauchnyy rukovoditel' - zav.kafedroy gosspital'noy khirurgii  
Kuybyshevskogo meditsinskogo instituta prof. A.M.Aminev.

(PEPTIC ULCER, perf.

with acute appendicitis (Rus))

(APPENDICITIS, compl.

perforated duodenal ulcer (Rus))

KARPOV, A.K., USOV, I.I.

Acute torsion of the fibromyomatous uterus in a male hermaphrodite.  
Akush. i gin. 35 no.3:121-122 My-Je '59. (MIRA 12:8)

1. Iz khirurgicheskogo otdeleniya (zav. - A.K.Karpov) bol'nitsy  
sanitarnogo otdela stroitel'stva Kuybyshevskoy gidroelektro-  
stantsii.

(HERMAPHRODITISM, case reports

hermaphroditism, male, with acute torsion of  
leiomyomatous uterus (Rus))

(UTERUS NEOPLASMS, case reports

leiomyoma, with acute torsion of uterus in  
male hermaphroditism (Rus))

(LEIOMYOMA, case reports

uterus, with acute torsion in male hermaphroditism  
(Rus))

USOV, I.I. (g. Dolinka, Karagandinskoy oblasti, ul. Parkovaya, d.18, kv.3)  
AMINEV, A.M., prof.

Morphine-novocaine intravenous block in stomach resection. Klin.  
(MIRA 16:5)

khir. no.9:83-84 S '62.  
(STOMACH-SURGERY) (MORPHINE) (NOVOCAINE)

USOV, I.I. (selo Dolinka, Karagandinskaya oblast', ul. Parkovaya, d.18,  
kv.3)

Use of electrical scissors for the opening of tuberculous  
caverns of the lungs. Grud.khir. 4 no.6:112-113 H-D'(2.  
'MIRA 16:10)

1. Iz ftiziokhirurgicheskogo otdeleniya (nachal'nik I.I.  
Usov)TSentral'noy bol'nitsy Karagandinskogo sovkhoza '  
(nauchnyy rukovoditel' - zav. kafedroy gospi'tal'noy khir-  
urgii Kuybyshevskogo meditsinskogo instituta prof. A.M.  
Aminev).

(TUBERCULOSIS)  
(SURGICAL INSTRUMENTS AND APPARATUS)

USOV.I.I.

Triple pneumothorax. Probl. tuberk. 41 no.2:73-74 '63  
(MIRA 17:2)  
1. Iz legochno-khirurgicheskogo otdeleniya Tsentral'noy tuberkuleznoy bol'nitsy Karagandinskogo sovkhoza (nauchnyy rukovoditel' - prof. A.M. Aminev).

USOV, I.I.; BUTOV, G.A.

Two-stage pleurectomy. Probl. tub. no.7:79-81 '63.

(XIPA 18:1,

1. Iz legochno-khirurgicheskogo otdeleniya (nachal'nik I.I. Usov)  
TSentral'noy tuberkuleznoy bol'nitsy (nachal'nik G.A. Butov; nauchnyy  
rukovoditel' - prof. A.M. Aminev) Karagandinskogo sovkhoza.

USOV, I.M.

Reverse motion on machines of the bleaching department. Obm.  
tekh.opyt. [MLP] no.10:20-21 '56. (MIRA 11:11)  
(Textile machinery)

USOV, I.M.

How soil cultivation practice on fallow land. Zemledelie 6 no.5:  
37-39 My '58. (MIRA 11:6)

(Tillage)

USOV, I.M.

Determining the chlorine content in gas collector waters and the recovery in polymers. Koks i khim. no.9:57-58 '61. (MIRA 15:1)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Chlorine) (Polymers)

USOV, I. N., Aspirant

"Copper, Zinc, Cobalt, and Nickel in the Blood of Newborn Infants  
and Women in Childbirth." Cand Med Sci, Minsk State Medical Inst,  
30 Sep 54. (SB, 18 Sep 54)

SO: Sum 432, 29 Mar 55

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858210003-3

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001858210003-3"

LEONOV, V.A., professor; USOV, I.N., doktor meditsinskikh nauk

Zinc in blood of infant and mother. Izv. AN BSSR no:1:29-35 Ja-F '55.  
(MLRA 8:7)

1. Deystvitel'nyy chlen AN BSSR (for Usov)  
(Zinc in the body) (Blood--Analysis and chemistry)

Usov, I. N.

J971  
b2  
DETERMINATION OF THE CENTER OF AXIALLY  
SYMMETRIC GAMMA-RAY BEAMS BY SEGMENTED  
IONIZATION CHAMBERS. I. N. Usov (Lebedev Phys.  
Inst.) Doklady Akad. Nauk S.S.S.R. 104, 391-2 (1955)  
Sept. 21. (In Russian)

A special installation is suggested for determination of  
the center of gamma-ray beams, emanating from a  
synchrotron. (R.V.J.)

EXCERPTA MEDICA Sec 7 Vol 13/o Pediatrics Sent 50

2295. VIT. B<sub>12</sub> IN THE COMBINED TREATMENT OF BRONCHOPNEUMONIA  
IN YOUNG CHILDREN (Russian text) - Usov I. N. Dept. of Ped., Minsk  
Med. Inst., Minsk - ZDRAVOOKHR. B.S.S.R. - 1958, 4/1 (18-20) Tables 2  
Vit. B<sub>12</sub> was applied to 50 children with bronchopneumonia. In consequence of a  
cure with vit. B<sub>12</sub> an increase of haemoglobin and erythrocytes was observed, as  
well as an increase of weight and an acceleration of the process of recovery in  
comparison with a control group. Sapiński - Ostrów Wlkp. (VII, 2\*)

USOV, I.N., dotsent

"Fundamentals of the diagnosis and treatment of some children's diseases". Zdrav. Belor. 6 no.4:74 Ap '60. (MIRA 14:5)  
(CHILDREN—DISEASES)